

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/051002

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B01J8/22 C10G2/00 B01D29/00 B01D35/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C10G B01J B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/087970 A1 (CLARK JANET RENEE ET AL) 8 May 2003 (2003-05-08) figure 1 column 1, paragraph 5 column 4, paragraph 23	1-13
X	US 6 344 490 B1 (THOMPSON BARRY J ET AL) 5 February 2002 (2002-02-05) figures 1a,2 column 1, line 67 - column 2, line 4 column 2, lines 9-13,24-32 column 5, lines 43-51 column 6, lines 48-53	1-13
A	US 2003/057132 A1 (ANSELL LOREN LEON ET AL) 27 March 2003 (2003-03-27) figure 1 page 2, paragraphs 19,21	1-13

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

20 May 2005

Date of mailing of the international search report

31/05/2005

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Information on patent family members

International Application No

PCT/EP2005/051002

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003087970 A1	08-05-2003	CA 2465970 A1	15-05-2003
		EP 1444179 A2	11-08-2004
		JP 2005508376 T	31-03-2005
		TW 568948 B	01-01-2004
		WO 03040067 A2	15-05-2003
US 6344490 B1	05-02-2002	AU 759679 B2	17-04-2003
		AU 2727700 A	07-08-2000
		BR 0007616 A	30-10-2001
		CA 2358634 A1	27-07-2000
		DE 60006067 D1	27-11-2003
		DE 60006067 T2	03-06-2004
		EP 1148923 A1	31-10-2001
		JP 2002535112 T	22-10-2002
		NO 20013590 A	20-07-2001
		TW 510808 B	21-11-2002
		WO 0043098 A1	27-07-2000
		US 2001039298 A1	08-11-2001
		US 2005080149 A1	14-04-2005
		ZA 200105409 A	30-09-2002
US 2003057132 A1	27-03-2003	BR 0211076 A	15-06-2004
		CA 2451705 A1	23-01-2003
		CN 1527805 A	08-09-2004
		EP 1409438 A1	21-04-2004
		JP 2004534891 T	18-11-2004
		WO 03006404 A1	23-01-2003